

COPY #8

Patent

Attorney Docket No.: 42390P4487X

JAN 20 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Deborah L. See, et al.

Application No.: 09/675,578

Filed: September 29, 2000

For: INCREASED RELIABILITY OF DATA
STORED ON FLASH MEMORY IN
APPLICATIONS SENSITIVE TO
POWER-LOSS

Examiner: Ellis Kevin L.

Art Unit: 2188

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on June 27, 2003
Date of Deposit

Deborah A. McGovern

Name of Person Mailing Correspondence

DMcGovern 6/27/03
Signature Date

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

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INFORMATION DISCLOSURE STATEMENT

Technology Center 2100

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

 37 C.F.R. §1.97(b).

 X 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

 A statement pursuant to 37 C.F.R. §1.97(e) or

 X A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

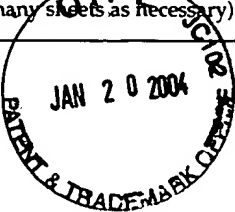
Dated: 6/27, 2003



Kevin G. Shao
Reg. No. 45,095

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

Substitute for Form 1449A-PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 42390.P4487X	Application Number: 09/675,556
Page 1 of 4		First Named Inventor: Deborah L. See	JAN 29 2004 Technology Center 2100
		Filing Date: September 29, 2000	



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U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		4,965,828		Ergott, Jr. et al.	10/23/1990	
		5,021,996		Watanabe	6/4/1991	
		5,255,314		Applegate et al.	10/19/1993	
		5,287,469		Tsuboi	2/15/1994	
		5,351,216		Salt et al.	9/27/1994	
		5,355,464		Fandrich et al.	10/11/1994	
		5,369,754		Fandrich et al.	11/29/1994	
		5,377,145		Kynett et al.	12/27/1994	
		5,406,529		Asano	4/11/1995	
		5,414,829		Fandrich et al.	5/9/1995	
		5,418,752		Harari et al.	5/23/1995	
		5,420,999		Mundy	5/30/1995	
		5,422,843		Yamada	6/6/1995	

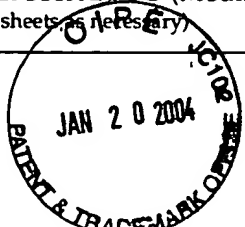
FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No.¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁶
		Office³	Number⁴	Kind Code⁵ (If known)				
		PCT	US99/08701		International Search Report	9/13/1999		
		PCT	US99/08701		Written Opinion	1/18/2000		
		PCT	WO 97/08619		Renschler	3/6/1997		N
		PCT	US00/06241		International Search Report	6/5/2000		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 42390.P4487X	Application Number: 09/675,576
Page 2 of 4		First Named Inventor: Deborah L. See	RECEIVED JAN 29 2004 Technology Center 2100
		Filing Date: September 29, 2000	

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		5,424,992		Coffman et al.	6/13/1995	
		5,424,993		Lee et al.	6/13/1995	
		5,469,390		Sasaki et al.	11/21/1995	
		5,521,864		Kobayashi et al.	5/28/1996	
		5,568,644		Nelson et al.	10/22/1996	
		5,590,073		Arakawa et al.	12/31/1996	
		5,592,669		Robinson et al.	1/7/1997	
		5,682,497		Robinson	10/28/1997	
		5,687,121		Lee et al.	11/11/1997	
		5,737,742		Achiwa et al.	4/7/1998	
		5,742,787		Talreja	4/21/1998	
		5,805,929		Connolly et al.	9/8/1998	
		5,847,995		Kobayashi et al.	12/8/1998	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
		GB	2 251 324	A	Intel Corporation-Kurt Brian Robinson	7-1-1992		

Examiner Signature		Date Considered	
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Page 4 of 4	First Named Inventor: Deborah L. See	
	Filing Date: September 29, 2000	

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
		MEI-LING CHIANG, PAUL C. H. LEE, AND RUEI-CHUAN CHANG, "Managing Flash Memory in Personal Communication Devices", IEEE, pp. 177-182, September 1997).	
		MX™ MACRONIX, INC., "Memory Data Book 1995-1996, Your one-stop shopping for Non-Volatile Memory" pp. 48 total, 1995-1996.	

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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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01-22-04

DAE 4

AMENDMENT TRANSMITTAL

PATENT

Application No.: 09/675,578
Filing Date: September 29, 2000
First Named Inventor: See, et al.
Examiner's Name: Ellis, Kevin L.
Art Unit: 2188
Attorney Docket No.: 42390P4487X

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JAN 28 2004

OFFICE OF PETITIONS

- ☐ An Amendment After Final Action (37 CFR 1.116) is attached and applicant(s) request expedited action.
- ☒ Charge any fee not covered by any check submitted to Deposit Account No. 02-2666.
- ☒ Applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 CFR 1.16 and 1.17, for any concurrent or future reply to Deposit Account No. 02-2666.
- ☐ Applicant(s) claim small entity status (37 CFR 1.27).

ATTACHMENTS

- ☐ Preliminary Amendment
- ☐ Amendment/Response with respect to Office Action
- ☐ Amendment/Response After Final Action (37 CFR 1.116) (reminder: consider filing a Notice of Appeal)
- ☐ Notice of Appeal
- ☐ RCE (Request for Continued Examination)
- ☐ Supplemental Declaration
- ☐ Terminal Disclaimer (reminder: if executed by an attorney, the attorney must be properly of record)
- ☐ Information Disclosure Statement (IDS)
- ☐ Copies of IDS citations
- ☐ Petition for Extension of Time
- ☒ Fee Transmittal Document (that includes a fee calculation based on the type and number of claims)
- ☐ Cross-Reference to Related Application(s)
- ☐ Certified Copy of Priority Document
- ☒ Other: Petition to Withdraw Holding of Abandonment Under 37CFR 1.181(a)
- ☐ Other: _____
- ☐ Check(s)
- ☒ Postcard (Return Receipt)

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SUBMITTED BY:

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

TYPED OR PRINTED NAME: Edwin H. Taylor

SIGNATURE: 

REG. NO.: 25,129

DATE: 1/20/04

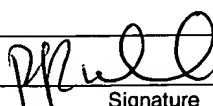
ADDRESS: 12400 Wilshire Boulevard, Seventh Floor
Los Angeles, California 90025

TELEPHONE NO.: (408) 720-8300

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Patricia M. Richard
Name of Person Mailing Correspondence
Signature1/20/04
Date

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Send to: COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, Virginia 22313-1450

(10/14/03)

FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known:

Application No. 09/675,578

Filing Date September 29, 2000

First Named Inventor See, et al.

Examiner Name Ellis, Kevin L.

Art Unit 2188

Attorney Docket No. 42390P4487X

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~~OFFICE OF PETITIONS~~

Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)

X Check Credit Card Money Order Other None

Deposit Account

Deposit Account Number : 02-2666

Deposit Account Name: _____

X The Director is Authorized to do the following with respect to the above-identified Deposit Account:

Charge fee(s) indicated below.

X Credit any overpayments.

X Charge any additional fees during the pendency of this application.

X Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

Charge fee(s) indicated below except for the filing fee.

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FEE CALCULATION

JAN 29 2004

1. BASIC FILING FEE

Technology Center 2100

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee</u>		
<u>Code</u>	<u>(\$)</u>	<u>Code</u>	<u>(\$)</u>		
1001	770	2001	385	Utility application filing fee	_____
1002	340	2002	170	Design application filing fee	_____
1003	530	2003	265	Plant filing fee	_____
1004	770	2004	385	Reissue filing fee	_____
1005	160	2005	80	Provisional application filing fee	_____

SUBTOTAL (1) \$ 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		<u>Extra Claims</u>		<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u> </u>	- 20** = <u> </u>	X	<u> </u>	= <u> </u>
Independent Claims	<u> </u>	- 3** = <u> </u>	X	<u> </u>	= <u> </u>
Multiple Dependent	<u> </u>			<u> </u>	= <u> </u>

****Or number previously paid, if greater; For Reissues, see below.**

Large Entity		Small Entity		
Fee	Fee	Fee	Fee	
Code	(\$)	Code	(\$)	<u>Fee Description</u>
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0.00

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FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	1813	8,800	Request for inter parties reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	\$130.00
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	110	2814	55	Statutory Disclaimer	
1810	770	2810	385	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,330	1454	1,330	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$ 130.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Edwin H. Taylor

Signature:  Date: 1/20/04

Reg. Number: 25,129 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



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FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

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OFFICE OF PETITIONS

☐ Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit AccountDeposit Account Number : 02-2666

Deposit Account Name: _____

☒ The Director is Authorized to do the following with respect to the above-identified Deposit Account:☐ Charge fee(s) indicated below.☒ Credit any overpayments.☒ Charge any additional fees during the pendency of this application.☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.☐ Charge fee(s) indicated below except for the filing fee.

FEE CALCULATION

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Large Entity		Small Entity		Fee Description	Fee Paid
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SUBTOTAL (1) \$ 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below	Fee Paid
Total Claims	_____	- 20** =	_____		
Independent Claims	_____	- 3** =	_____	X	_____
Multiple Dependent	_____			X	_____

**Or number previously paid, if greater; For Reissues, see below.

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1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0.00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Code</u>	<u>Fee (\$)</u>	<u>Code</u>	<u>Fee (\$)</u>		
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1813	8,800	1813	8,800	Request for inter parties reexamination	
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1814	110	2814	55	Statutory Disclaimer	
1810	770	2810	385	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
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Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$130.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Edwin H. TaylorSignature:  Date: 1/20/04Reg. Number: 25,129 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450